

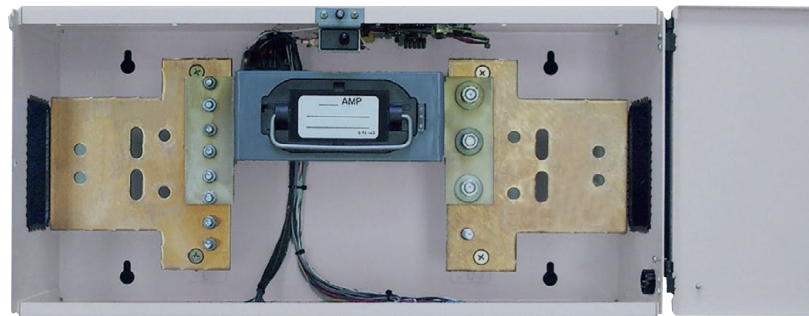
Lorain® BD 800

800 Amp Battery Disconnect

Key Features

- Small footprint and multiple wiring attachment points allow for ease of installation
- Current monitoring is provided by a 25mV shunt included within each breaker and fuse
- Voltage trip breakers permit remote shutdown/disconnect
- Safety features include a Lock Out-Tag Out (LO/TO) attachment point and a door latch that is tool-secured for restricted access
- Alarm options include a Form C, CBA/FA alarm and a door open alarm
- An LED indicator provides a visual display of the status of the breaker/fuse for each position
- Disconnect assists in compliance with local codes

Feature-rich design provides flexibility; small footprint allows for relay rack mounting.



586400100 List 1 e/w Fuse

Product Overview

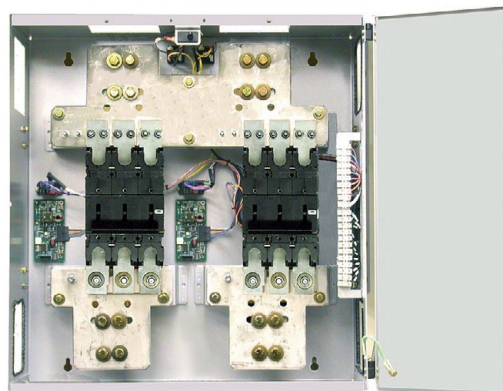
The Lorain® BD 800 provides disconnection and overcurrent protection for +24 VDC or -48VDC battery strings. Disconnects are available in single and dual positions. Over-current protection is provided by a user-specified fuse or breaker rated from 300 to 800 amps per position. A shunt, included with the over-current protection device, measures charge and discharge current and can be monitored by a Lorain® VPS or LVS MCA, Emerson Monitoring Equipment, or any monitoring system using a 25mV shunt input. The disconnect can be wall-mounted or 23" rack mounted as required. Breakers equipped with voltage trip coils can be used to satisfy code requirements for EPO circuits.

The built-in shunt measures charge and discharge current for the batteries. Battery damage is prevented and battery life is increased with the use of a built-in PS shunt card and an optional VPS or LVS MCA set up to limit battery recharge current. Voltage trip breakers permit remote operation. An EPO switch may be used to comply with local and national fire codes (NEC).

Safety and security features include a cover that can be locked in place during maintenance operations to prevent access to the battery breakers or fuses. A door alarm switch provides a set of contacts that will change state whenever the door is opened. Any access or operation of the door can be monitored using this feature. The door latch can also be tool-secured for restricted access.

Application

The Emerson Network Power Battery Disconnect is ideal for a data center, wireless site or central office applications. For additional specification, engineering or installation information, specify model Lorain® BD 800, specification number 586400100 for disconnect.



586400100 List 2 e/w Breakers

Technical Specifications

586400100	
Rating (Amps)	300-800 per position
Rated Voltage	60VDC
Operating Voltage	+24VDC/-48VDC
Max Size of Overcurrent Device	800 Amps Breaker/Fuse
Dimensions (H x W x D)	Single: 6U x 21-3/8" x 7-1/4" (265mm x 543mm x 184mm) Dual: 13U x 21-3/8" x 7-1/4" (576mm x 543mm x 184mm)
Weight	Single: Net 40 lbs., Shipping 50 lbs. Dual: Net: 76 lbs., Shipping 90 lbs.
Int Rating (kIAC) Fuse/Breaker	100kAIC Fuse/50kAIC / Breaker/10kAIC Disc
Compliance	UL/cUL Listed to 1801
FA/CBA Alarm Contact Rating	0.5A@125VAC, 1.0A@30VDC, 0.3A@110VDC
Door Alarm Contact Rating	1A-125VAC, 2A-24VDC, 0.1A@125VDC (Form C contacts)
Operating Temperature	0-40°C
Mounting	Wall or 23" Relay Rack Mounted

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